IMPORTANT SAFEGUARDS

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and servicing instructions in the literature accompanying the appliance.

WARNING : TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

CAUTION : TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

IMPORTANT FOR LASER PRODUCTS

LASER : This Digital Video Disc Player employs a Laser System. To ensure proper use of this product please read this owner's manual carefully and retain for future reference. Should the unit require maintenance, contact an authorized service location - see service procedure.

Use of control adjustments or the performance of procedures other than those specified may result in hazardous radiation exposure.

To prevent direct exposure to the laser beam, do not try to open the enclosure. Visible laser radiation when open and interlocks defeated.
DO NOT STARE INTO THE BEAM.

• **DANGER** : Visible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.

• **CAUTION** : Do not open the top cover. There are no user serviceable parts inside the Unit; leave all servicing to qualified service personnel.

CLASS1
LASER PRODUCT

FCC NOTICE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rule. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception; which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experience radio/TV technical for help.

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IMPORTANT SAFEGUARDS (Continued)

This set has been designed and manufactured to assure personal safety. Improper use can result in electric shock or fire hazard. The safeguards incorporated in this unit will protect you if you observe the following procedures for installation, use and servicing. This unit is fully transistorized and does not contain any parts that can be repaired by the user.

1 READ INSTRUCTIONS

All the safety and operating instructions should be read before the unit is operated.

2 RETAIN INSTRUCTIONS

The safety and operating instructions should be retained for future reference.

3 HEED WARNINGS

All warnings on the unit and in the operating instructions should be adhered to.

4 FOLLOW INSTRUCTIONS

All operating and use instructions should be followed.

5 CLEANING

Unplug this unit from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

6 ATTACHMENTS

Do not use attachments unless recommended by the unit's manufacturer as they may cause hazards.

7 WATER AND MOISTURE

Do not use this unit near water- for example, near a bath tub, wash bowl, kitchen sink or laundry tub, in a wet basement, or near a swimming pool.

8 ACCESSORIES

Do not place this unit on an unstable cart, stand, tripod, bracket, or table. The unit may fall, causing serious injury to a child or adult as well as serious damage to the unit. Use this unit only with a cart, stand , tripod, bracket, or table recommended by the manufacturer.

PORTABLE CART WARNING
(symbol provided by RETAC)

8A

A unit and cart combination should be moved with care. Quick stops, excessiveforce, and uneven surfaces may cause the video product and cart combination to overturn.

9 VENTILATION

Slots and openings in the case are provided for ventilation to ensure reliable operation of the unit and to protect it from overheating. These openings must not be blocked or covered. These openings must not be blocked by placing the unit on a bed, sofa, rug, or other similar surface. This unit should never be placed near or over a radiator or heat radiator. This unit should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.

10 POWER SOURCES

This unit should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your video dealer or local power company. For units intended to operate from battery power, or other sources, refer to the operating instructions.

11 GROUNDING OR POLARIZATION

This unit is equipped with a polarized alternating -current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety

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IMPORTANT SAFEGUARDS (Continued)

feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug still fails to fit, contact your electrician to replace your obsolete outlet. To prevent electric shock, do not use this polarized plug with an extension cord, receptacle, or other outlet unless the blades can be fully inserted without blade exposure. If you need an extension cord, use a polarized cord.

12 POWER-CORD PROTECTION

Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the unit.

13 LIGHTNING

For added protection for this unit during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the unit due to lightning and power line surges.

14 DISC TRAY

Keep your fingers well clear of the disc as it is closing. It may cause serious personal injury.

15 OVERLOADING

Do not overload wall outlets of extension cords as this can result in a risk of fire or electric shock.

16 OBJECT AND LIQUID ENTRY

Never push objects of any kind into this unit through openings as they may touch dangerous voltage points or “short-out” parts that could result in a fire or electric shock. Never spill liquid of any kind on the unit.

17 BURDEN

Do not place a heavy object on or step on the product. The object may fall, causing serious personal injury and serious damage to the product.

18 DISC

Do not use a cracked, deformed or repaired disc. These discs are easily broken and may cause serious personal injury and product malfunction.

19 SERVICING

Do not attempt to service this unit yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

20 DAMAGE REQUIRING SERVICE

Unplug this unit from the wall outlet and refer servicing to qualified service personnel under the following conditions.

A. When the power-supply cord or plug is damaged.

B. If liquid has been spilled, or objects have fallen into the unit.

C. If the unit has been exposed to rain or water.

D. If the unit does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions. Improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the unit to its normal operation.

E. If the vido product has been dropped or the cabinet has been damaged.

F. When the unit exhibits a distinct change in performance-this indicates a need for service.

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IMPORTANT SAFEGUARDS (Continued)

21 REPLACEMENT PARTS

When replacement parts are required, have the service technician verify that the replacements he uses have the same safety characteristics as the original parts. Use of replacements specified by the unit manufacturer can prevent fire, electric shock, or other hazards.

22 SAFETY CHECK

Upon completion of any service or repairs to this unit, ask the service technician to perform safety checks recommended by the manufacturer to determine that the unit is in safe operating condition.

23 WALL OR CEILLING MOUNTING

The product should be mounted to a wall or ceilling only as recommended by the manufacturer.

24 HEAT

The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

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2. FEATURES

1. OUTSTANDING SOUND QUALITY

Dolby Digital system developed by Dolby Laboratories and DTS developed by DTS Inc., features high quality surround, can be played in DVD or CD disc at home, repoduce high quality sound effects.

2. HIGH DEFINITION

The unit adopts MPEG2 coding format and brings the horizontal resolution over 500 lines.

3. UNIQUE FUNCTIONS

Multi-angle and multi-language bring unique trick functions.

Parent lock makes it easy to control the content of discs.

4. SCREEN

Ordinary screen and wide screen (16:9) are available.

5. COMPATIBILITY

The unit can play DVDs, and is compatible with CDs.

6. ZOOM

It can enlarge pictures twice or four times as big.

7. 9-PICTURE DIGEST

It can look through the content of discs and select to play.

8. MULTI-FUNCTIONS

Fast forward, fast reverse, slow play, frame play , repeat play and program play.

9. TIME SEARCH

It can search a specific part on a disc, especially good for watching fiction movies.

10. RESUME PLAY

It can memorize the position where the disc is stopped and resume playback.

11. CONTENT DISPLAY

It adopts colored fluorescent display and Chinese/English OSD, makes the disc content clearer.

12. VIDEO OUTPUT

Standard video, S-video signal output mode and easy system change.

13. AUDIO OUTPUT

Analog audio output and coaxial digital audio output, can be connected with any amplifier to enjoy highquality sound effects.

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3. ABOUT MANUAL

PRINCIPLES FOR WRITING

- This manual mainly introduces how to use buttons on the remote control.
- You may operate the unit if the buttons on the unit have the same or similar names as or to those on the remote control.
- The marks shown in the right chart are used in the manual.

MARK	INDICATION
DVD	functions of DVD
CD	functions of CD

4. PLAYABLE DISCS

TYPE	MARK	CONTENT	SIZE	PLAYING TIME
DVD	DVD VIDEO	audio+video (motion pictures)	12cm	about 2hrs (single-side disc)
				about 8hrs (double-side disc)
			8cm	about 80mins (single-side disc)
				about 160mins (double-side disc)
CD	COMPACT disc DIGITAL AUDIO	audio	12cm	about 74mins
			8cm	about 20mins

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5. TERMS FOR DISCS

• TITLE

The images or music of a DVD are divided into some units , among which title is the biggest one.
To a image in video software, title is movie; to a piece of music in audio software, it is music.
Each title has a number which makes it easy to search.

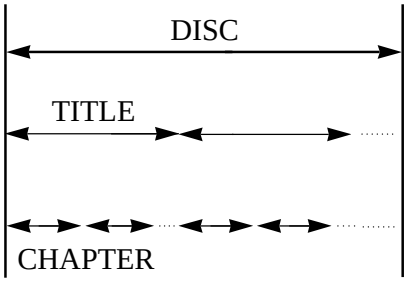
• CHAPTER

It is smaller than title among the units of a DVD. A title is made up of several chapters , and each chapter has a number for search. But some discs may not have numbered chapters.

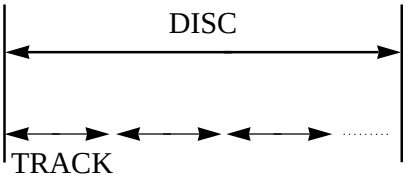
• TRACK

The music in a CD. Each track has a number for search.

STRUCTURE OF DVD



STRUCTURE OF CD



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6. BEFORE OPERATION

SECURITY

- Before operation, check if the voltage of the unit is in line with the local voltage.
- Hold the plug to disconnect it from the mains outlet. Do not pull the power cord.
- When the plug of the unit is connected to the mains outlet, the unit will be still connected to AC even if the power is turned off.
- Disconnect the plug as soon as liquid or objects enter the unit. The unit can not be used until being checked by experts.
- Do not open the cabinet for laser rays employed by the unit may damage eyes. Any servicing should be done by qualified service personnel.

PLACEMENT

- Put the unit where ventilation is good enough to prevent overheating.
- Never put the unit in direct sunlight or near heat sources.
- Put the unit horizontally, never put any heavy object on the unit.
- To protect the pickup, do not put the unit where there is most dust. If there is dust on the pickup, use a cleaning disc to clean it.
- Refer to the operation instructions of the cleaning disc you bought.

CONDENSATION

Water will appear on the pickup lens in the following cases:

- The unit is suddenly moved a cold place to a warm place.
- The unit is put in a room with a heater, or in cold air from a air-conditioner.
- Use the unit in a humid place.

In these cases, the unit can not work. Unload the disc and leave the unit on for about one hour to evaporate the water.

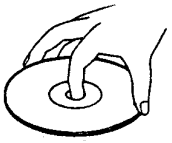
CLEANING

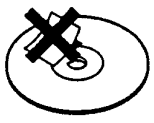
- Use soft cloth with a little neutral detergent to wipe the cabinet, panel and controls. Never use abrasive paper, polishing powder or solvent like alcohol and gasoline.

7. PRECAUTIONS FOR DISC

HANDLING DISC

- To keep the disc clean, do not touch the playsides of the disc.
- Do not attach paper or tape to the disc.





- Keep the disc away from direct sunlight or heat sources.
- Store the disc in a disc case after playback.

CLEANING DISC

- Before playback, wipe the disc outwards from the center with clean cloth.

- Do not use any type of solvent such as thinner, benzine, commercially available cleaners or antistatic spray.

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8. PREPARATIONS BEFORE OPERATION

This part introduces the work to be done before operating the unit.

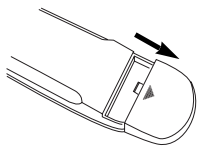
CHECK ACCESSORIES

Check if you have all the accessories after the carton is opened.

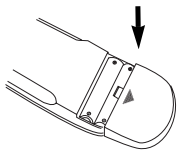
- Audio cord 1 (4-terminal)
- Video cord 1 (2-terminal)
- Remote control 1
- AAA batteries 2
- Owner's manual 1

USE REMOTE CONTROL

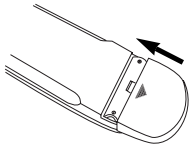
1. Open the battery compartment.



2. Insert two AAA batteries, make sure to match"+"and "-"of the batteries to the marks in the battery compartment.



3. Close the battery compartment.



4. Point the remote control at the remote sensor, operate in the range of 7 meters and 60º from the front of the remote sensor. Make sure there is no barrier between them.

Notes:

1. Batteries can last for about 6 months generally. Change the batteries if the remote control does not work.
2. If the remote control is not used for a long time, remove the batteries to prevent battery leakage.

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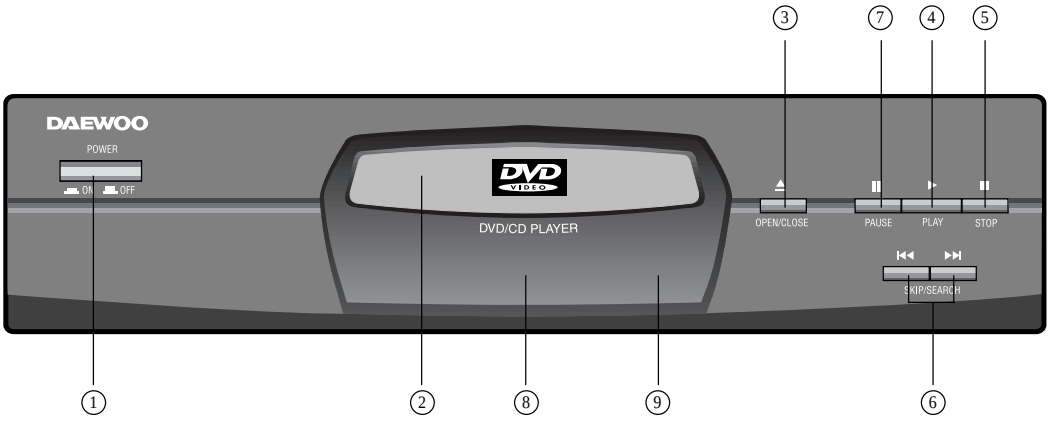
8. PREPARATIONS BEFORE OPERATION

FRONT PANEL



① POWER
② DISC TRAY
③ OPEN/CLOSE
④ PLAY
⑤ STOP
⑥ PREVIOUS/NEXT
⑦ PAUSE
⑧ DISPLAY
⑨ REMOTE SENSOR

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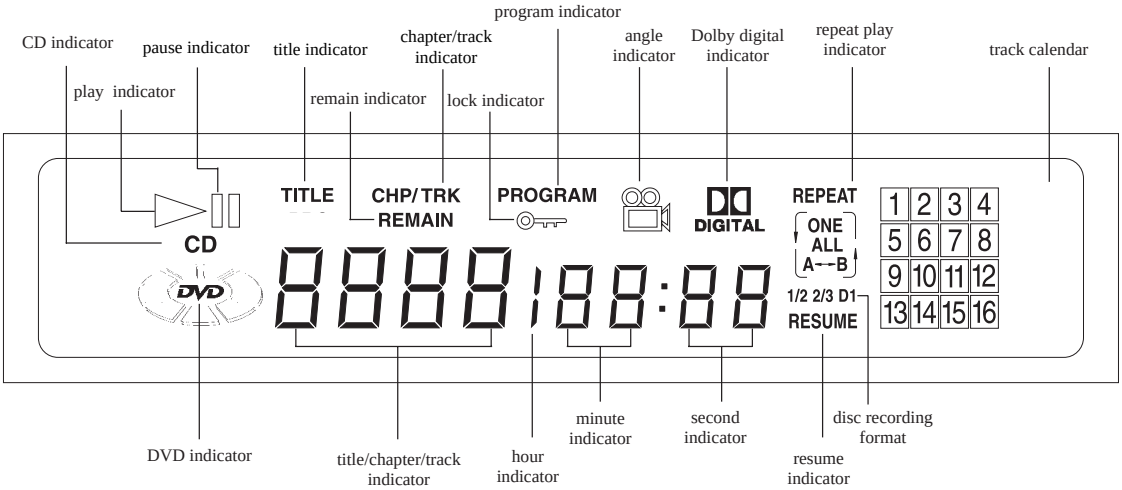
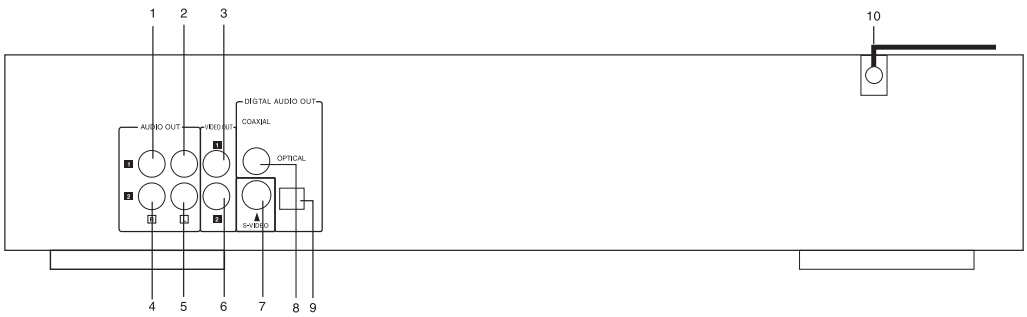
8. PREPARATIONS BEFORE OPERATION

DISPLAY



Push DIMMER , the brightness of the display is reduced by half; push it once more, the display becomes dark. Push the button again, the display resumes brightness.

REAR PANEL



① AUDIO OUT1 R

② AUDIO OUT1 L

③ VIDEO OUT1

④ AUDIO OUT2 R

⑤ AUDIO OUT2 L

⑥ VIDDEO OUT2

⑦ S-VIDEO

⑧ COAXIAL

⑨ OPTICAL

⑩ POWER SUPPLY CORD

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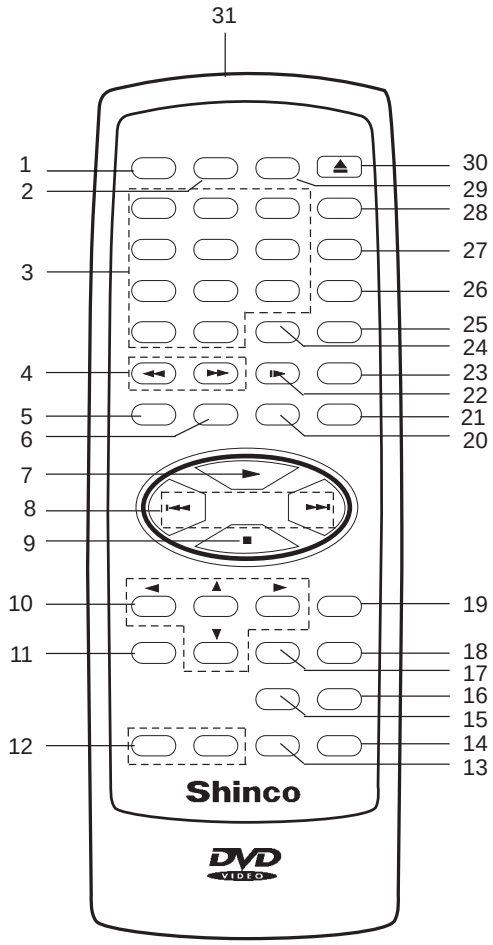
8.PREPARATIONS BEFORE OPERATION

NAMES AND LAYOUT OF REMOTE CONTROLS



① OSD
② DIMMER
③ NUMBER BUTTONS
④ FF/FR
⑤ SET UP
⑥ TITLE
⑦ PLAY
⑧ PREV/NEXT
⑨ STOP
⑩ DIRECTIONS
⑪ SYSTEM
⑫ VOLUME
⑬ LANGUAGE
⑭ MUTE
⑮ SUBTITLE
⑯ CHANNEL
⑰ A-B REPEAT
⑱ REPEAT
⑲ RETURN
⑳ MENU
㉑ PAUSE/STEP
㉒ SLOW PLAY
㉓ ZOOM
㉔ REMAIN
㉕ RESUME
㉖ TIME SEARCH
㉗ DIGEST
㉘ PLAY MODE
㉙ ANGLE
㉚ OPEN/CLOSE
㉛ REMOTE TRANSMITTER

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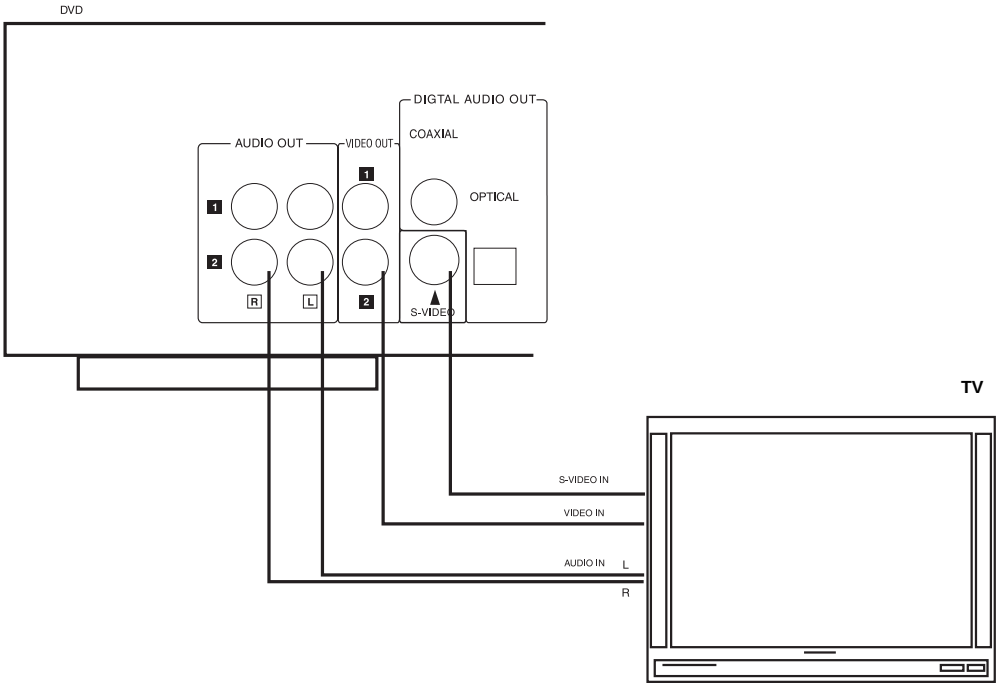
8. PREPARATIONS BEFORE OPERATION

CONNECTIONS

Turn off all equipment before operation.
The unit has many kinds of output modes like A/V output, S-VIDEO output and digital signal output (OPTICAL, COAXIAL). You may select as you need.

CONNECTED TO A TV



1. If the TV has S -VIDEO input, please connect the unit and the TV with S-video cord (not supplied). You do not have to connect it to VIDEO, but can have clear images.

2. Set the unit. You have to set the unit according to the TV to be connected.
- If the system of the TV is PAL, push SYSTEM and select PAL.
- If the system of the TV is NTSC, push SYSTEM and select NTSC.
- If the system of the TV is AUTO (multi-system), push SYSTEM and select AUTO.
- Connect the unit to a wide-screen TV.
  Set the "TV DISPLAY" to "16:9 WIDE " in the function setting column.
- Connect the unit to an ordinary TV.
  Set the "TV DISPLAY" to "4:3/PS" or "4:3/LS" in the function setting column.

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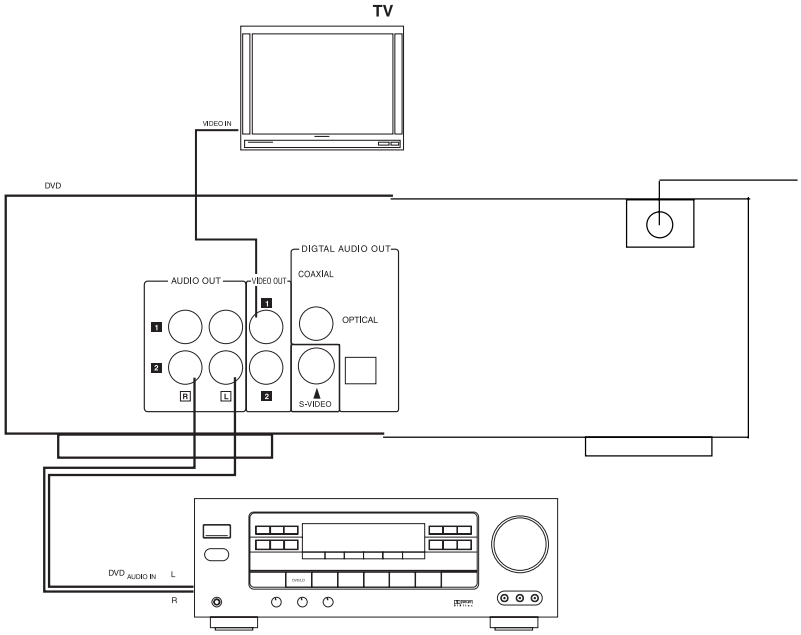
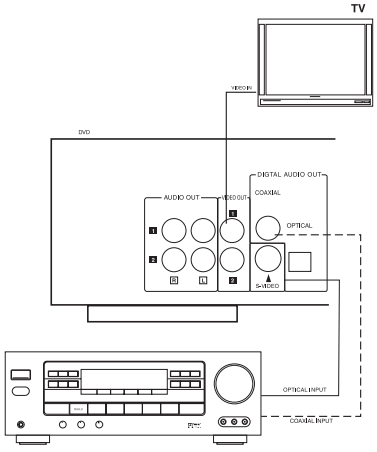
8. PREPARATIONS BEFORE OPERATION

CONNECT TO AN ORDINARY AMPLIFIER



• There is no sound output from the port when a DTS disc is played.
• Refer to page 29 for the setting.

CONNECT TO AN AMPLIFIER WITH DIGITAL SIGNAL INPUT



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"DTS" and "DTS Digital Out" are trademarks of Digital Theater Systems, Inc.

• Optical or coaxial can be selected at your option while connecting
• If you have DTS decoder of processor, you can enjoy DVD disc or CD sound decoded by 5.1 channel DTS.
• Refer to page 33 for the setting.

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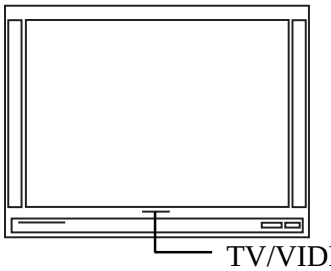
9. BASIC OPERATIONS

PLAY DISCS

TV/AUDIO SELECTION

Push POWER on the TV and audio system.

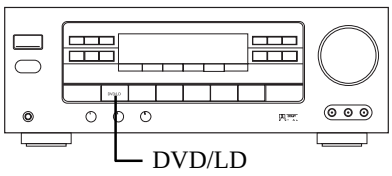
1. Push "TV/VIDEO" on the TV, select VIDEO mode (TV).



• Select S-VIDEO mode to connect to S-VIDEO.

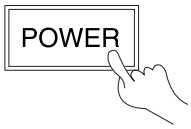
2. Select the right audio input on the amplifier.

• Each amplifier is different from another, please refer to the manual of the amplifier.
(e.g., connect the audio output of the DVD player to the DVD audio input of an amplifier.)

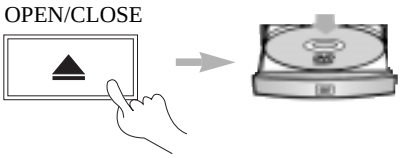


Notes: This step can be cancelled if you do not connect it to the amplifier.

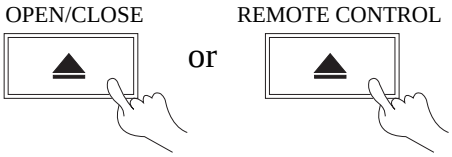
1. Push POWER to turn on the unit.



2. Push ▲ to open the disc tray and load a disc with the labelside up.



3. Push ▲ again to close the disc tray. The unit begins to read the disc.



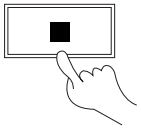
4. Push ► to play the disc.

AFTER STEP4 IS FINISHED:

• PLAY DVD
The TV screen shows DVD menu and title menu.

• PLAY CD
Push ►, the unit plays the disc according to the track numbers.

5. Stop playback.
Push ■ .



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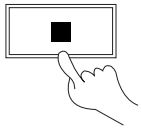
9. BASIC OPERATIONS

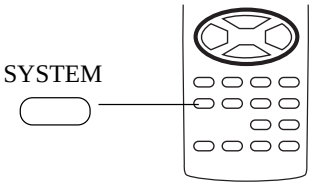
·You have to push this button twice to stop the playback of a DVD.



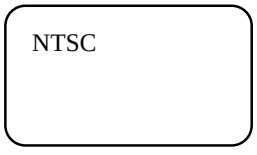
6. Unload the disc and turn off the unit.Push ▲ and POWER again

SYSTEM SETTING

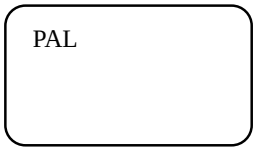
According to the system of the TV to be connected ,set the system of the unit to make it match the TV.



1. If the system of the TV is NTSC:
   Push SYSTEM , select NTSC.
   The screen shows:



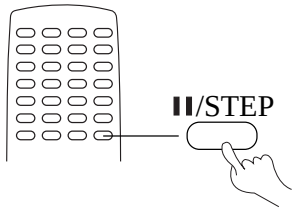
2. If the system of the TV is PAL:
   Push SYSTEM , select PAL.
   The screen shows:



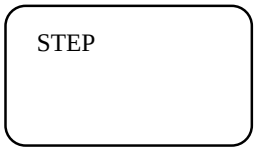
3. If the TV is multi-system, push SYSTEM , select AUTO.

PAUSE

Push ❚❚/STEP



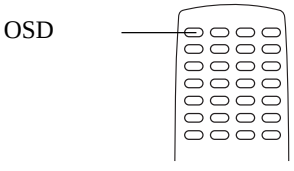
• WHEN PLAYING PICTURES
If the pictures of DVD are played, push ❚❚/STEP to make the playback pause. The unit enters step play status. Push ❚❚/STEP again, the unit plays a frame forward.



• WHEN PLAYING MUSIC CD
Push ❚❚/STEP to make the playback pause.
Push ❚❚/STEP to resume playback.

OSD

When the unit is operated, the TV screen shows the operation functions and information about the disc.



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9. BASIC OPERATIONS

Push OSD to select:

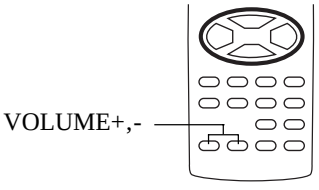
→CHINESE → ENGLISH → OFF

Notes: select when playing a DVD:

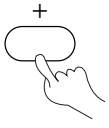
→ OSD ⟶ OFF

VOLUME CONTROL

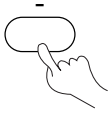
- Push VOLUME on the TV or amplifier to adjust the volume.
- Push VOLUME on the remote control.



1. Push + to raise the volume.

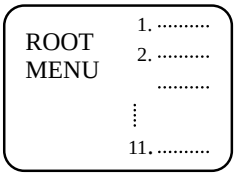


2. Push - to lower the volume.



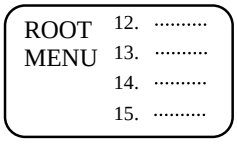
DVD MENU PLAY

some DVDs have title menus and chapter menus.
Push ►, the screen shows the menu.
Push ►►| or |◄◄ to see the next page, select with number buttons and direction buttons.

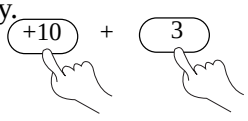


Example: select track 13.

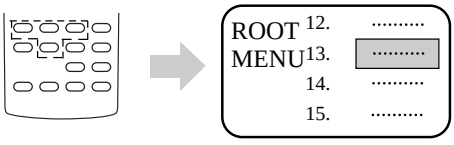
1 .Push ►►| to enter the next menu.



2. Push number buttons to select direcltly.



You can also do as follows:
1. Push ▼ to select track 13.



2. Push ►to start playing all the tracks.

Push TITLE once to return to the title menu; push it again to return to the current playback.
Push MENU once to return to the root menu; push it again to return to the current playback.

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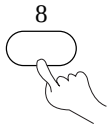
9. BASIC OPERATIONS

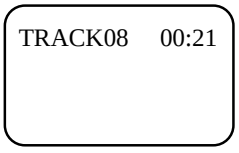
SELECT WITH NUMBER BUTTONS

Load a disc. Push number buttons to select tracks after the unit finishes reading the disc.

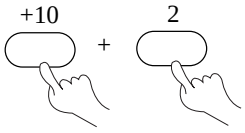
1. If the track number is less than 10, just push buttons 1-10.
   Example: push 8 to select track 8.



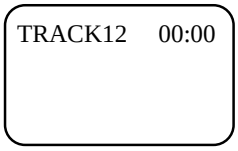
The screen shows:



2. If the track number is over 10, push + 10 once and a button among 1-10.
   Example: if you select track 12, push + 10 once and button 2.



The screen shows:



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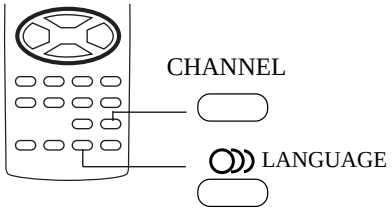
10. PLAY DISCS IN VARIOUS WAYS

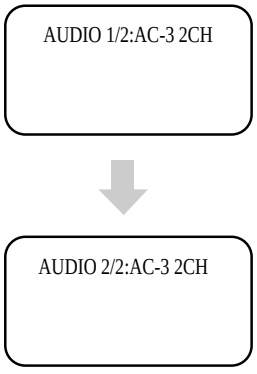
SELECT CHANNELS

- You may select a needed language from a multi-language DVD.
- You may select the right channel or left channel or stereo from a multi-channel CD.



WHEN PLAYING DVD

Press , the screen shows orderly:

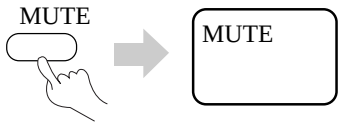


Different discs differ in languages.

MUTE

When playing a disc, this function can remove the sound.

1. REMOVE SOUND
   Push MUTE, the screen shows "MUTE".



2. RESUME SOUND
   Push MUTE again.

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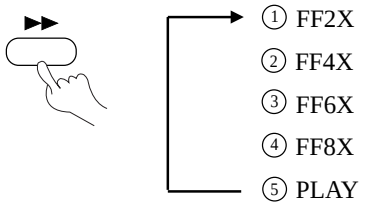
10. PLAY DISCS IN VARIOUS WAYS

FAST PLAY

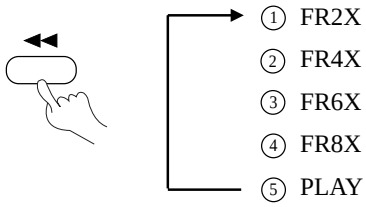
When playing a disc, you may play it forward fast or reverse it fast to find what you need.

WHEN PLAYING DVD

1. Push ►► to play forward fast. Each time you push the button, the screen shows orderly:



2. Push ◄◄ to reverse the disc fast. Each time you push the button, the screen shows orderly:



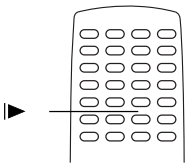
3. Push ► to switch to normal play while FF or FR playing.

WHEN PLAYING CD

1. Push ►► to play forward fast.
2. Push ◄◄ to reverse the disc.
3. Release ►► (or ◄◄) to play normally.

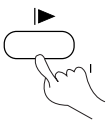
SLOW PLAY

Enjoy slow motions by the following steps.



WHEN PLAYING DVD

1. Push I► to play slowly.



The screen shows orderly:

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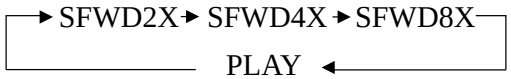
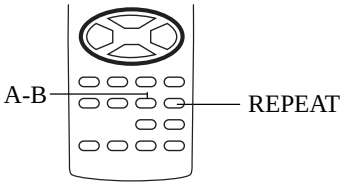
10. PLAY DISCS IN VARIOUS WAYS



2.Push ► to play normally.

REPEAT PLAY

This function can be used to repeatedly play a title, chapter, track, disc, or some part on a disc.



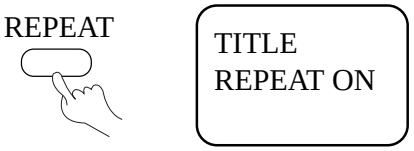
PLAYING A DISC REPEATEDLY

■ DVD

You may repeat a title or chapter.

1. Repeat a chapter.
   Push [REPEAT], the screen shows: "REPEAT CHAPTER".

2. Repeat a title
   Push [REPEAT], the screen shows: "REPEAT TITLE"



3. Remove "REPEAT" function.
   Push [REPEAT], to remove the display on the screen.

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10. PLAY DISCS IN VARIOUS WAYS

REPEAT SOME PART

You may push A-B to enjoy some part repeatedly when playing a disc.

■ PLAY DVD

1. Set a starting point A.

The screen shows:

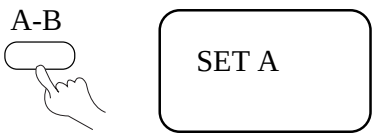
2. Set an end point B.

The screen shows:

Afterwards, the unit plays from A to B.

3. Remove A-B repeat

The screen shows:

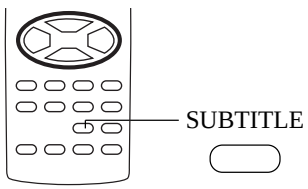


■ PLAY CD

1. Push A-B at the beginning of the needed part until the screen shows"REPEAT A", set starting point A.
2. Push A-B at the end of the needed part until the screen shows "REPEAT AB", set end point B.
3. Push A-B again until the screen shows "CONTINUE", repeat play is removed.

SELECT SUBTITLES

When playing a multi-subtitle DVD, you may select one subtitle to show it on the screen.



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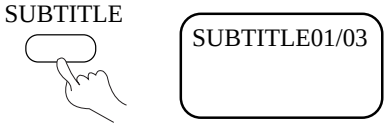
10. PLAY DISCS IN VARIOUS WAYS

PLAY DVD

1. Push SUBTITLE to select one.
   The screen shows:

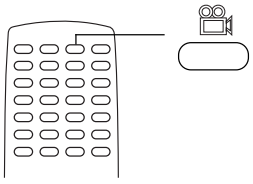


2. Remove the subtitle.
   Push SUBTITLE until the screen shows "SUBTITLE OFF".

Notes:
- For some discs, subtitles can not be removed.
- Different discs differ in the languages of subtitles.
- If the subtitles of discs can not be selected, press SUBTITLE, the screen shows "NO SUBTITLE".

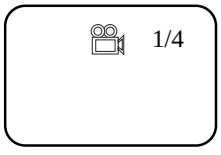
SELECT ANGLES

Some discs have images with different screen angles, you may select among them. For example,when you watch a running train, you may select to watch it from the front, the left window or the right window without stopping it.



Example:
A DVD has four screen angles at your option.
1. Push to select ANGLE1.

SCREEN



2. Push to select other angles, the screen shows respectively:

   2/4 (select ANGLE2)
   3/4 (select ANGLE3)
   4/4 (select ANGLE4)

3. Resume normal playback.
   push until there is no display on the screen.

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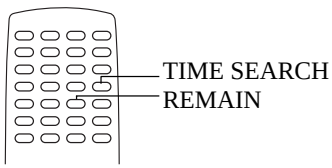
10. PLAY DISCS IN VARIOUS WAYS

TIME SEARCH AND REMAINING TIME



TIME SEARCH

You may directly enter a time, title or chapter number to search fast on a disc, the unit plays from the point.

■ PLAY DVD

1. Search a title or a chapter.

Example: Search chapter 2 in title 6.

• Push TIME SEARCH, the screen shows:

TITLE03/30 CHAPTER 00 /04

• Push the left or right button and move the cursor to illuminate the title number. The screen shows:

TITLE 03 /30 CHAPTER00/04

• Push button 6 to select title 6, the screen shows:

TITLE 06 /30 CHAPTER00/04

• Repeat the steps above, select chapter 2 in title 6.

2. Time search

• Push TIME SEARCH until the screen shows:

TIME

• Push number buttons to enter hour, minute and second.

Example: Enter 1,0,2,3,8

After setting, the disc is played from 1:02:38.

■ PLAY CD

You can only enter a time to search the content at the time.

Example: Play from 00:01:38 of track 6.

1. Push button 6 to select track 6. The screen shows:

TRACK06 00:00

2. Push TIME SEARCH, the screen shows:

TRACK06
GO TO

3. Push button 0,1,3,8 to enter the time. The screen shows:

TRACK06
GO TO 01:38

• The unit plays from 00:01:38 of track 6 after setting.

• Push 0/10 to enter 0.

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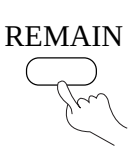
10. PLAY DISCS IN VARIOUS WAYS

REMAINING TIME

This function can be used to know the remaining time of a title. chapter,track or a disc.

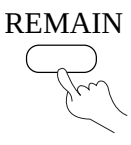
■ DVD

1. Push [REMAIN], the screen shows the remaining time of the chapter.



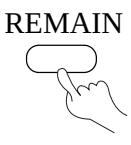
00:02:41
CHAPTER REMAIN

2. Push [REMAIN] again, the screen shows the remaining time of the title.



0:56:45
TITLE REMAIN

3. Push [REMAIN] third time, the screen shows the playing time of the chapter.



0:05:58
CHAPTER ELAPSED

■ CD

Example: Check the remaining time when playing track 2.

1. Push [REMAIN], the screen shows the
• remaining time of the track.

TRACK02 -04:23
SINGLE REMAIN

2. Push [REMAIN] again, the screen shows the remaining time of the disc.

TRACK02 -33:23
TOTAL REMAIN

3. Push [REMAIN] once more, the screen shows the previous playing time.

TRACK02 01:02

RESUME PLAY

The unit can memorize the last point where it stops and resume playback from there.

1. Push [STOP] to stop playing.

2. Push [RESUME] to resume playback.

Notes:

1. This function does not work for any programmed playback.
2. This function is removed when the disc is unloaded or the unit is off.

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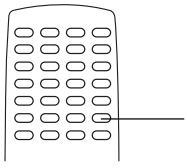
10. PLAY DISCS IN VARIOUS WAYS

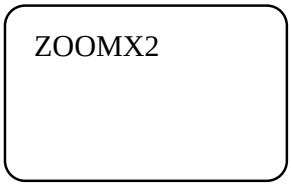
ZOOM PLAY

This function can be used to enjoy a motion or motionless picture.



• DVD

1. Push [ZOOM] when playing a DVD, the screen shows:



The picture is enlarged twice as big.

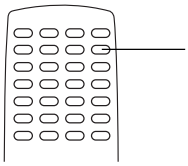
2. Push [ZOOM] again. the screen shows:

The picture is enlarged four times as big.

3. Push ◄, ▲, ▼, ► to move the enlarged picture.
4. To resume the picture, push [ZOOM] until the screen shows "NO ZOOM".

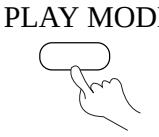
PROGRAM PLAY

You may program the tracks on a disc and play them in the programmed order.

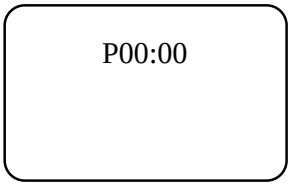


WHEN PLAYING DVD

1. After the unit stops, push [PLAY MODE] to select.



The screen shows:



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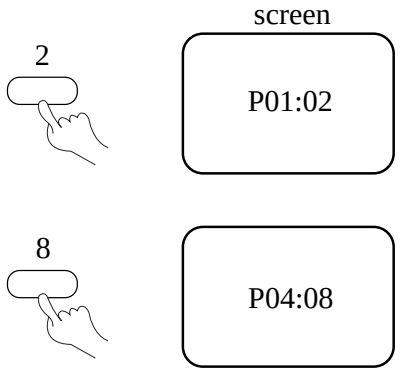
10. PLAY DISCS IN VARIOUS WAYS

2. Push number buttons orderly according to the titles (or chapters) to be programmed.
Example: Push 2, 4, 6, 8.



Notes:

P * * : * *
- first * *: title (chapter) number
- second * *: program order

3. Push ► to start playing.

4. Push ■ to remove program play.

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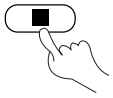
10. PLAY DISCS IN VARIOUS WAYS

SHUFFLE PLAY

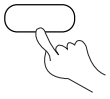
The unit can play by random orders.
The order is different each time.

1. Push ■ to stop playing.
   You need to push the button two times for a DVD.



2. Push PLAY MODE to select a random order.

PLAY MODE



The screen shows:

SHUFFLE

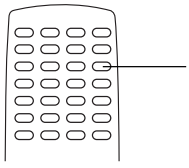
The screen shows"SHUFFLE " for a DVD.

3. Push ► to start shuffle play.
   The unit selects a track to play.
4. Remove shuffle play.

• Push ■ and PLAY MODE ,
the screen shows "CONTINUE".
• Push ■ to play a DVD. Then push PLAY MODE until the screen shows "CONTINUE".

DIGEST PLAY

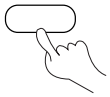
This function can be used to look through the content of the track or a disc.



PLAYING DVD

1. Push DIGEST after the unit stops.

DIGEST



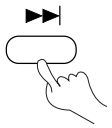
The screen shows:

DIGEST

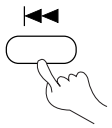
The unit begins to look through the titles (or chapters), and shows the starting picture of each title(or chapter) on the screen.

1	2	3
8	9	4
7	6	5

2. Push ⏮, ⏭ to look at the previous or next picture.



next picture



previous picture

3.Remove digest,
Push ■ twice,then push DIGEST until the screen shows “CONTINUE”.

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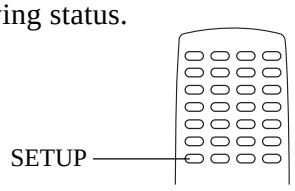
11. FUNCTION SETTING

DVD MENU SETTING

According to the recorded information and external equipment,set the following functions for DVD to obtain the best playing status.



1.Push SETUP to set the main menu.

The screen shows:

```
SETUP MENU -- MAIN PAGE
►GENERAL SETUP
►DOLBY DIGITAL SETUP
►PASSW0RD SETUP
►PREFERENCES
 EXIT SETUP
```

2. Push direction buttons (►,▲), and push ► to confirm.
   Example: Select"DOLBY DIGITAL SETUP"

• Push direction button ▼ to select.

The screen shows:

```
SETUP MENU--MAIN PAGE
►GENRAL SETUP
►DOLBY DIGITAL SETUP
►PASSWORD SETUP
►PREFERENCES
 EXIT SETUP
```

• Push ► to confirm and enter "DOLBY DIGITAL SETUP ". The screen shows the submenu for your selection.

The screen shows:

```
-- DOLBY DIGITAL SETUP PAGE --
   COMPRESSION >> LINE OUT
   DUAL MONO
   DYNAMIC RNG
   FRONT SPEAKER
►  MAIN PAGE
```

After entering the menu, the unit automatically selects a column.

• Push the direction button ▼ to select. "DUAL MONO", the screen shows the content.

The screen shows:

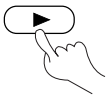
```
-- DOLBY DIGITAL SETUP PAGE --
   COMPRESSION      STEREO
   DUAL MONO  >>    LEFT MONO
   DYNAMIC RNG      RIGHT MONO
   FRONT SPEAKER    MIXED MONO
►  MAIN PAGE
```

Push direction button ► ,▼ to select "LEFT MONO"

The screen shows:

```
DOLBY DIGITAL SETUP PAGE
COMPRESSION      STEREO
DUAL MONO  >>    LEFT MONO
DYNAMIC RNG      RIGHT MONO
FRONT SPEAKER    MIXED MONO
►MAIN PAGE
```

• Push ► to confirm.



Set "DUAL MONO" in "DOLBY DIGITAL SETUP" to "LEFT MONO".

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11. FUNCTION SETTING

3.Exit from menus.
Push direction buttons and ► to select the relevant exit column.

• Push ◄ to exit from “DUAL MONO”.

HOME PAGE
►GENRAL SETUP
► DOLBY DIGITAL SETUP
► PASSWORD SETUP
► PREFERENCES
EXIT SETUP

• Push ▲ , ▼ to select "EXIT SETUP", then push ► to exit from the menu.

GENERAL SETUP

The setting structure is as follows:

- TV DISPLAY >> 4:3/PS
  4:3/LS
  16:9/WIDE
- TV TYPE >> PAL
  AUTO
  NTSC
- ANGLE MARK >> ON
  OFF
- OSD LANG >> ENGLISH
  CHINESE
- SPDIF OUTPUT >> SPDIF/OFF
  SPDIF/SOURCE CODE
  SPDIF/PCM
- CAPTIONS >> ON
  OFF
- SCREEN SAVER >> ON
  OFF
- MAIN PAGE

■ TV DISPLAY

1. 4:3/PS
This is selected when the unit is connected with a normal TV.
Wide-screen images are shown on the screen, but with some parts cut automatically.

2. 4:3/LS
This is selected when the unit is connected with a normal TV.
Wide-screen images are shown on the screen, with black belt on the top and bottom.

3. 16:9/WIDE
This is selected when the unit is connected with a wide-screen TV.

■ TV TYPE

You may select according to the color system of the TV to be connected.

• Select"AUTO"for a multi-system TV.
• Select"NTSC"for a NTSC TV.
• Select "PAL"for a PAL TV.

■ ANGLE MARK

This only works when there is an angle mark on the disc.

• Select"ON",the screen shows the mark when playing a DVD.
• Select "OFF",the mark is not shown.

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11. FUNCTION SETTING

■ OSD LANG

• ENGLISH

The OSD is in English.

• CHINESE

The OSD is in Chinese.

■ SPDIF OUTPUT

• SPDIF/OFF: No signal is output from the coaxial or optical port.

• SPDIF/SOURCE CODE: Select this when the DVD player is connected with a power amplifier through optical or coaxial port, refer to page 10. When a Dolby Digital DVD, DTS DVD or MPEG DVD is played, the coaxial or optical port will output in the corresponding digital(Source code) format. The power amplifier to be connected must have Dolby Digital, DTS and MPEG decoding.

• SPDIF/PCM: Select this when the DVD player is connected with a 2-channel digital mode or stereo amplifier (refer to page 14 for the connection). When a Dolby Digital or MPEG DVD is played, the optical or coaxial port will output in PCM 2-channel format.

■ CAPTIONS

• ON

The hidden subtitle is shown.

• OFF

The hidden subtitle is turned off.

■ SCREEN SAVER

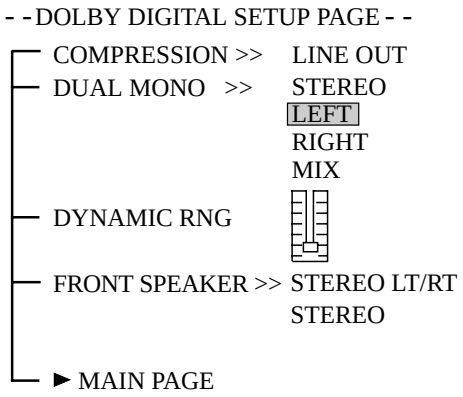
Start the screen saver, the screen saver image appears when the unit stops or the image is frozen for a few seconds. This saver can keep the screen from being damaged.

• ON: Start the screen saver.

• OFF: Remove the screen saver.

DOLBY DIGITAL SETUP

The setting structure is :



■ COMPRESSION

• LINE OUT: Compress input signals linearly.

■ DUAL MONO

There is the output mode of the L and R signals of the set audio output. If it is set to "MIXED MONO", the function only works when the DVD being played is 5.1-channel.

■ DYNAMIC RNG

When the compression mode is set to "LINE OUT", this is selected to adjust linear compression rate to obtain the different compression results of the signals.

■ FRONT SPEAKER

• STEREO LT/RT

Select this when you play a disc with Dolby Pro Logic stereo, the disc signals can be decoded by the unit and reproduce realistic theater effects in your room.

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11. FUNCTION SETTING

• STEREO

Select this, the audio output is ordinary stereo signals.

PASSWORD SETUP

The setting structure is :

- -PASSWORD SETUP - -
- PASSWORD >> CHANGE
- PASSWORD MODE >> ON
  OFF

■ PASSWORD MODE

• ON: The password works, "PREFERENCES" is dim and can not be selected.

• OFF: The password is locked, "PREFERENCES" can be selected.

■ PASSWORD CHANGE

Select this to adapt the code, the screen shows:

- - PASSWORD CHANGE PAGE- -
OLD PASSWORD
NEW PASSWORD
CONFIRM PASSWORD

Enter a password according to the screen.

Notes: (The password is 99999 when the unit is turned on initially or you forget the password.)

PREFERENCES

The setting structure is :

- AUDIO >> ENGLISH
  FRENCH
  SPANISH
  CHINESE
  JAPANESE
- SUBTITLE >> ENGLISH
  FRENCH
  SPANISH
  CHINESE
  JAPANESE
  OFF
- DISC MENU >> ENGLISH
  CHINESE
  FRENCH
  SPANISH
  JAPANESE
- COUNTRY/ AREA >> CHINA
  FRANCE
  HONGKONG
  JAPAN
  TAIWAN
  BRITAIN
  USA
- PARENTAL >> 1. CHILD
  2. G
  3. PG
  4. PG 13
  5.
  6. PG-R
  7. NC-17
  8. ADULT
- DEFAULTS >> RESET

■ SELECT LANGUAGE

If a language mentioned above is recorded on the disc, you can select sounds,subtitles or disc menu languages. If not, the language recorded on the disc is shown.

■ PARENTAL

The content of a disc with lock function is evaluated by grades.
You may select an age control grade as you need.

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11. FUNCTION SETTING

Example: Select"CHILD", the scenes of violence inadvisable to children are not played.

For adults, the screen suggests you enter the code after pushing ► , you may can watch if the code is right.

Notes: The code is set by yourself

■ DEFAULT >> RESET

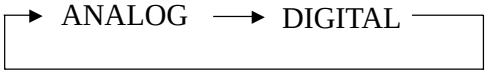
Each function setting returns to the initial status in the factory if you select this.

MENU SETTING FOR OTHER DISCS

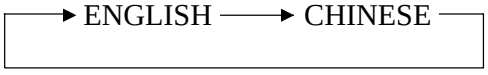
1. Push SETUP , the screen shows:

1. AUDIO OUTPUT: ANALOG
2. OSD LANG: ENGLISH
3. SCREEN SAVER: ON
4. EXIT

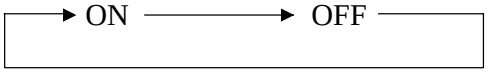
2. Push button 1.
   The SPDIF mode changes in cycles:



3. Push button 2.
   The picture display changes in cycles:



4. Push button 3.
   The screen protection changes in cycles:



5. Push button 4 to exit.

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12. THE OTHERS

TROUBLESHOOTING

If you experience the following problems while using the unit, this troubleshooting guide can help you.

No sound

- Check if the unit is connected securely.
- Make sure you operate the TV or amplifier correctly.
- Make sure you have selected DVD player position on the amplifier.

No image

- Check if the unit is connected securely.
- Make sure you operate the TV correctly.
- Make sure you set the color system correctly.

Bad sound quality

- Make sure the audio output mode is set correctly.
- Make sure the audio connection between the unit and amplifier is right.

Image rolls and no color

- The color system set by this unit does not match with that of TV. Press SYSTEM on the remote control to select needed one.

Disc can not be played

- There is no disc in the unit.
- Put the disc on the disc tray properly with the label side up.
- Clean the disc.
- Moisture has condensed in the unit. Remove the disc and leave the unit on for about one hour.

Remote control does not work

- Remove barriers between the remote control and the unit.
- Point the remote control at the remote control sensor of the unit.
- Replace the batteries with new ones.

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12. THE OTHERS

TECHNICAL SPECIFICATIONS

Laser		wavelength 650nm
Video system		NTSC /PAL/AUTO
Frequency response		20Hz ~ 20KHz
Signal/noise ratio		≥ 85dB
Audio distortion + noise		≤ - 80dB (1KHz)
Channel separation		≥ 90dB (1KHz)
Dynamic range		≤ 85dB (1KHz)
Output	Audio out (analog audio)	output level: 2V Load impedance: 10K Ω
	Audio out (digital audio)	output level: 0.5Vp-p Load impedance: 75 Ω
	Video out	output level: 1Vp-p Load impedance: 75 Ω, imbalance, negative polarity
	S-video out	output level: brightness (Y) 1Vp - p chromaticity (C) 0.286Vp-p Load impedance: 75 Ω
Power supply		AC110V~ 240V 50Hz ~ 60Hz
Power consumption		<20W
Dimensions		435 x 90 x 280 mm
Weight		Around 4Kgs

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DS -2000N

OWNER'S MANUAL

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